

FOR OFFICIAL USE ONLY

Scientific and Technical Information Center

SEARCH REQUEST FORM

Requester's Full Name: MARK BERCH Examiner #: 59193 Date: 4/20
Art Unit: 1624 Phone Number: 2-0663 Serial Number: 101519897
Location (Bldg/Room#): 5C01 (Mailbox #): 5C18 Results Format Preferred (circle): PAPER DISK

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: _____

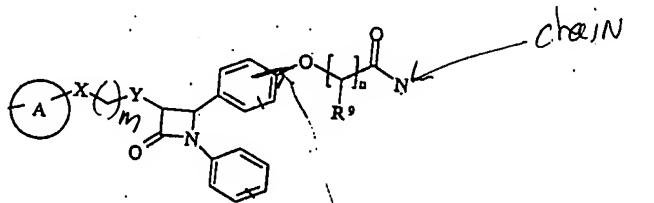
Inventors (please provide full names): _____
OH-999

Earliest Priority Date: _____

Search Topic:

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known.

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.



$A =$ O - O arth

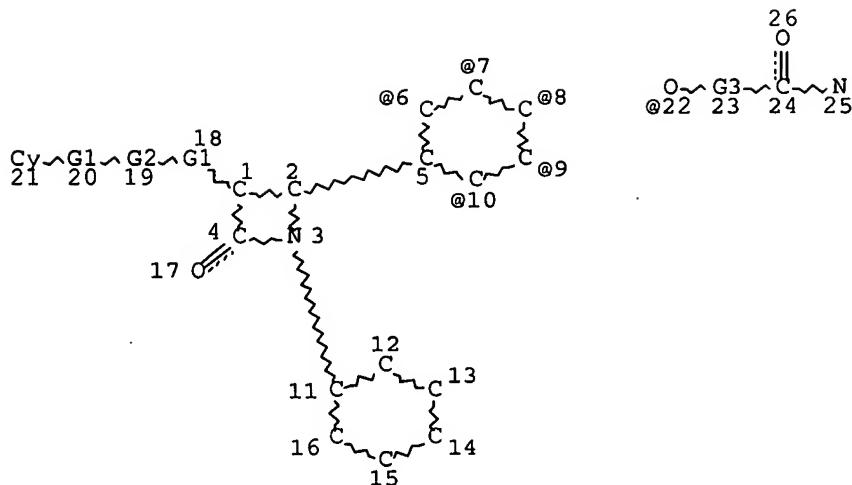
$m = 1-3$ $X, Y = \text{C}/\text{O}/\text{N}/\text{S}$

$R9 = \text{H} \mid \text{CH}_3$

$n = 1-4$

STAFF USE ONLY		Type of Search	Vendors and cost where applicable	
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Searcher Phone #:		AA Sequence (#)	Questel/Orbit	Lexis/Nexis
Searcher Location:		Structure (#)	Westlaw	WWW/Internet
Date Searcher Picked Up:		Bibliographic	In-house sequence systems	
Date Completed:	<u>4/25/07</u>	Litigation	Commercial	Oligomer
Searcher Prep & Review Time:		Fulltext	Interference	Score/Length
Online Time:		Other	SPDI	Encode/Transl
Other (specify)				

=> d que 115
 L1 STR



VAR G1=C/O/N/S
 REP G2=(1-3) C
 REP G3=(1-4) C
 VPA 22-6/7/8/9/10 U
 NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RSPEC I
 NUMBER OF NODES IS 26

STEREO ATTRIBUTES: NONE

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L7	11 SEA FILE=HCAPLUS ABB=ON	PLU=ON	L6
L8	53 SEA FILE=HCAPLUS ABB=ON	PLU=ON	STARKE, I?/AU
L9	59 SEA FILE=HCAPLUS ABB=ON	PLU=ON	DAHLSTROM, M?/AU
L10	88 SEA FILE=HCAPLUS ABB=ON	PLU=ON	LINDQVIST, A?/AU
L11	174 SEA FILE=HCAPLUS ABB=ON	PLU=ON	NORDBERG, M?/AU
L12	3 SEA FILE=HCAPLUS ABB=ON	PLU=ON	SKJARET, T?/AU
L13	11 SEA FILE=HCAPLUS ABB=ON	PLU=ON	LEMURELL, M?/AU
L14	10 SEA FILE=HCAPLUS ABB=ON	PLU=ON	(L8 OR L9 OR L10 OR L11 OR L12 OR L13) AND L7
L15	1 SEA FILE=HCAPLUS ABB=ON	PLU=ON	L7 NOT L14

=> d 115 ibib ed abs hitstr hitind
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L15 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2005:216794 HCAPLUS Full-text
 DOCUMENT NUMBER: 142:297976
 TITLE: Preparation of bis- and

tris(arylpropyl)(aryl)oxoazetidinylphenyl-substituted compounds as antihypercholesteremic and antihyperlipidemic agents

INVENTOR(S) : Martinez, Eduardo J.; Talley, John Jeffrey
 PATENT ASSIGNEE(S) : Microbia, Inc., USA
 SOURCE: PCT Int. Appl., 72 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005021497	A2	20050310	WO 2004-US27813	20040827
WO 2005021497	A3	20050609		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1660446	A2	20060531	EP 2004-782312	20040827
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
PRIORITY APPLN. INFO.:			US 2003-498476P	P 20030828
			WO 2004-US27813	W 20040827

OTHER SOURCE(S) : CASREACT 142:297976; MARPAT 142:297976

ED Entered STN: 11 Mar 2005
 GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Bis- and tris(arylpropyl)(aryl)oxoazetidinylphenyl-substituted compds. I [m = 0-3; n = 0-1; R1, R2 = H, halo, HO, NC, alkyl, alkoxy, alkylthio, H2N, alkylamino, alkylsulfonyl, arylsulfonyl, acyl, a sugar, a glucuronide, or a sugar carbamate; R3 = H, HO, F, alkoxy; R4 = H, F; R3R4 = O; R5 = H, halo, HO, NC, H2N, alkyl, alkoxy, alkylthio, alkylamino, alkylsulfonyl, arylsulfonyl, acyl; W = XAY or XA(Y)Z; if W = XAY, m + n = 2, otherwise m + n = 3; X, Y, Z = bond, O, S, NH, CH2O, CH2NH, OCH2C(:O)NH, OCH2C(:O)O, C(:O), C(:O)NH, NHC(:O), OC(:O), C(:O)O, NHC(:O)NH, OC(:O)NH, NHC(:O)O] such as II (B = 4-FC6H4) are prepared as antihypercholesteremic and antihyperlipidemic agents for the treatment of hyperlipidemia, arteriosclerosis, or coronary heart disease, for decreasing blood plasma or serum concns. of LDL cholesterol, cholestryl esters, C-reactive protein, apolipoprotein B, or triglycerides, and for increasing the blood plasma or serum concentration of HDL cholesterol. Nonracemic azetidinone III (R = H) is triflated with N,N-bis(trifluoromethylsulfonyl)aniline in the presence of DMAP to yield III (R = F3CSO2); palladium-catalyzed coupling of III (R = F3CSO2) with 1,4-

benzenediboronic acid yields II (B = 4-FC6H4). No biol. data are provided for I.

IT 847781-58-2P 847781-69-5P

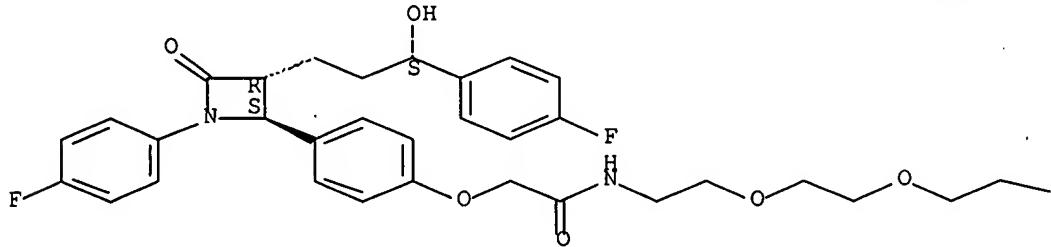
(drug candidate; preparation of bis- and tris(arylpropyl)(aryl)oxoazetidinylphenyl-substituted compds. as antihypercholesteremic and antihyperlipidemic agents)

RN 847781-58-2 HCPLUS

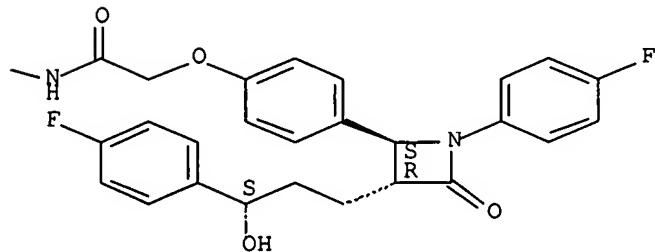
CN Acetamide, N,N'-(1,2-ethanediylbis(oxy-2,1-ethanediyl)]bis[2-[4-[(2S,3R)-1-(4-fluorophenyl)-3-[(3S)-3-(4-fluorophenyl)-3-hydroxypropyl]-4-oxo-2-azetidinyl]phenoxy]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

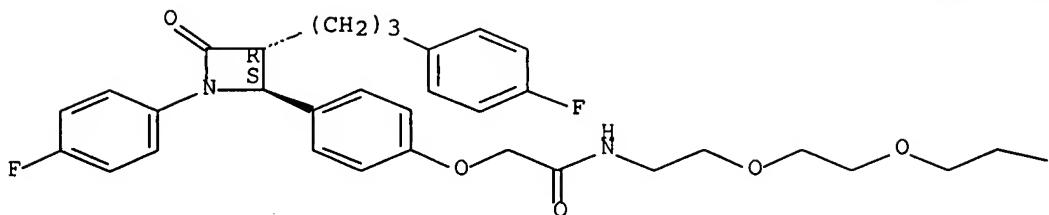


RN 847781-69-5 HCPLUS

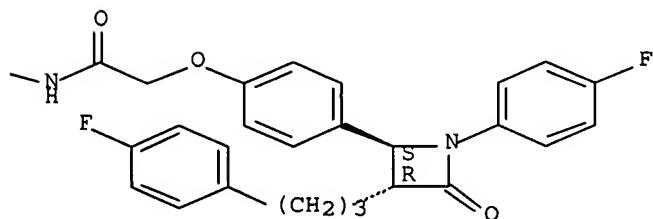
CN Acetamide, N,N'-(1,2-ethanediylbis(oxy-2,1-ethanediyl)]bis[2-[4-[(2S,3R)-1-(4-fluorophenyl)-3-[3-(4-fluorophenyl)propyl]-4-oxo-2-azetidinyl]phenoxy]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1 - A



PAGE 1-B



IC ICM C07D

CC 27-5 (Heterocyclic Compounds (One Hetero Atom))

Section cross-reference(s): 1. 63

IT 847694-41-1P 847781-47-9P 847781-49-1P 847781-51-5P

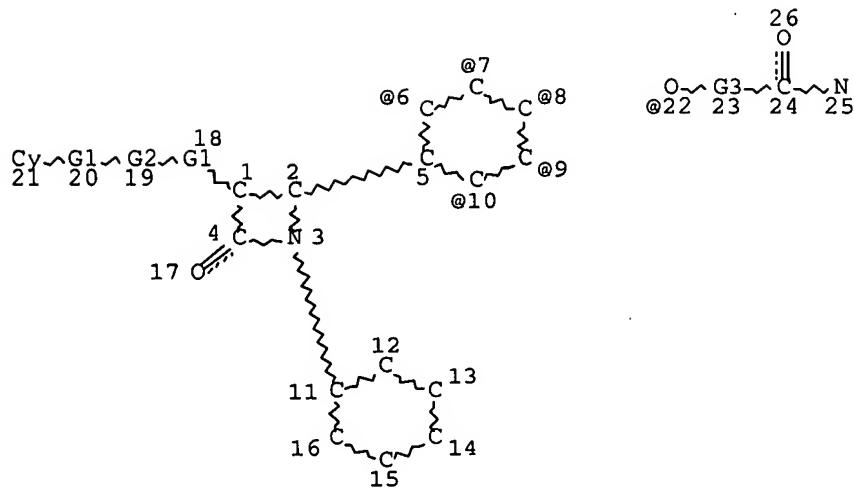
847781-41-1P 847781-41-5P 847781-49-1
847781-54-8P 847781-56-0P 847781-58-2P

847781-54-8P

(drug candidate; preparation of bis- and tris(arylpropyl)(aryl)oxoazetidinylphenyl-substituted compds. as antihypercholesteremic and antihyperlipidemic agents)

=> d que 120

111 STR

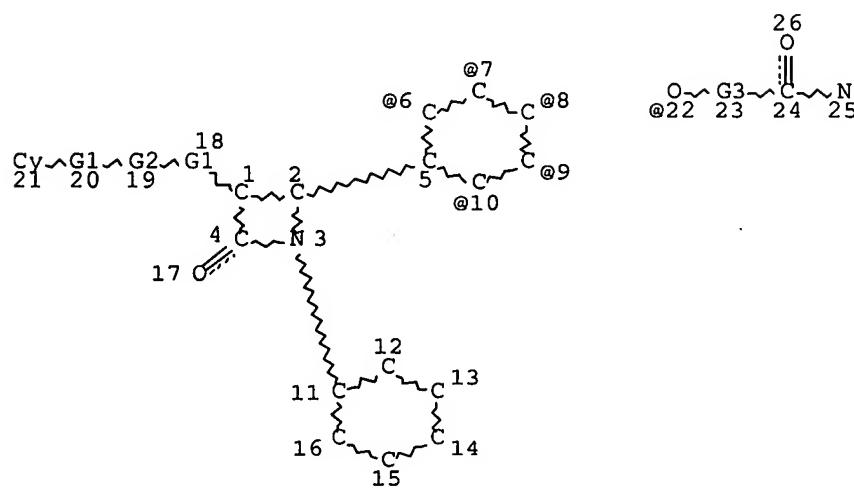


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 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RSPEC I
 NUMBER OF NODES IS 26

STEREO ATTRIBUTES: NONE
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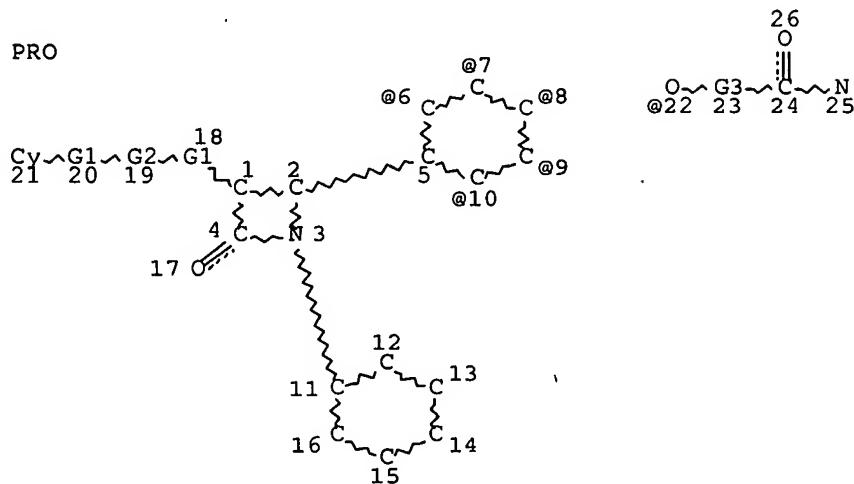
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STEREO ATTRIBUTES: NONE

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 L21 0 SEA FILE=BEILSTEIN ABB=ON PLU=ON L6

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 NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I
 NUMBER OF NODES IS 26

STEREO ATTRIBUTES: NONE

L25 1 SEA FILE=CASREACT SSS FUL L23 (3 REACTIONS)

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L25 ANSWER 1 OF 1 CASREACT COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 142:297976 CASREACT Full-text
 TITLE: Preparation of bis- and
 tris(arylpropyl)(aryl)oxoazetidinylphenyl-
 substituted compounds as antihypercholesteremic
 and antihyperlipidemic agents
 INVENTOR(S): Martinez, Eduardo J.; Talley, John Jeffrey
 PATENT ASSIGNEE(S): Microbia, Inc., USA
 SOURCE: PCT Int. Appl., 72 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005021497	A2	20050310	WO 2004-US27813	20040827
WO 2005021497	A3	20050609		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1660446	A2	20060531	EP 2004-782312	20040827
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
PRIORITY APPLN. INFO.:			US 2003-498476P	20030828
			WO 2004-US27813	20040827

OTHER SOURCE(S): MARPAT 142:297976
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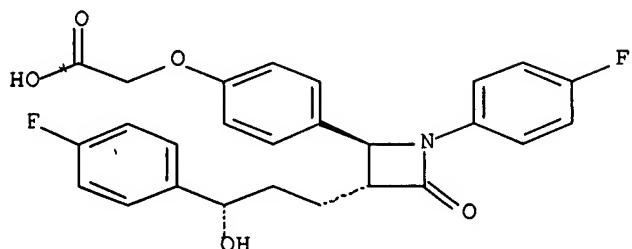
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Bis- and tris(arylpropyl)(aryl)oxoazetidinylphenyl-substituted compds. I [$m = 0-3$; $n = 0-1$; $R_1, R_2 = H$, halo, HO, NC, alkyl, alkoxy, alkylthio, H_2N , alkylamino, alkylsulfonyl, arylsulfonyl, acyl, a sugar, a glucuronide, or a sugar carbamate; $R_3 = H$, HO, F, alkoxy; $R_4 = H$, F; $R_3R_4 = O$; $R_5 = H$, halo, HO, NC, H_2N , alkyl, alkoxy, alkylthio, alkylamino, alkylsulfonyl, arylsulfonyl, acyl; $W = XAY$ or $XA(Y)Z$; if $W = XAY$, $m + n = 2$, otherwise $m + n = 3$; $X, Y, Z =$ bond, O, S, NH, CH_2O , CH_2NH , $OCH_2C(:O)NH$, $OCH_2C(:O)O$, C(:O), C(:O)NH, NHC(:O), OC(:O), C(:O)O, NHC(:O)NH, OC(:O)NH, NHC(:O)O] such as II ($B = 4-FC_6H_4$) are prepared as antihypercholesteremic and antihyperlipidemic agents for the treatment of hyperlipidemia, arteriosclerosis, or coronary heart disease, for decreasing blood plasma or serum concns. of LDL cholesterol, cholestryl esters, C-reactive protein, apolipoprotein B, or triglycerides, and for increasing the blood plasma or serum concentration of HDL cholesterol. Nonracemic azetidinone III ($R = H$) is triflated with N,N-bis(trifluoromethylsulfonyl)aniline in the presence of DMAP to yield III ($R = F_3CSO_2$); palladium-catalyzed coupling of III ($R = F_3CSO_2$) with 1,4-

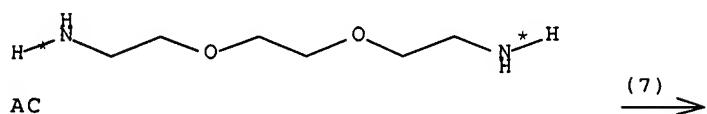
10/519,897

benzenediboronic acid yields II (B = 4-FC₆H₄). No biol. data are provided for I.

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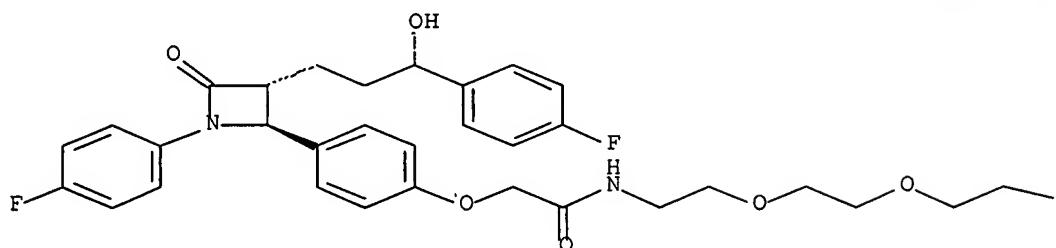


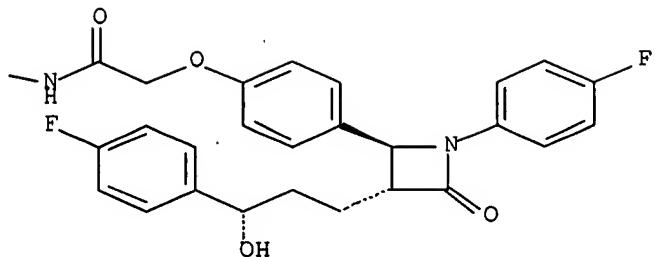
2 AB



(7) →

PAGE 1-A





AD
YIELD 4%

RX(7) RCT AB 847781-66-2, AC 929-59-9

STAGE(1)

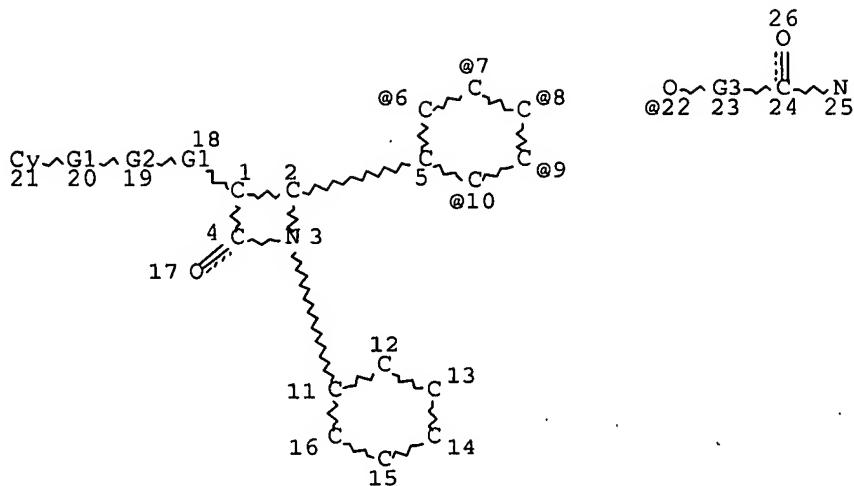
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SOL 75-09-2 CH2Cl2
CON 36 hours, room temperature

STAGE(2)

RGT AF 7647-01-0 HCl
SOL 7732-18-5 Water
CON room temperature

PRO AD 847781-58-2

=> d que 114
 L1 STR



VAR G1=C/O/N/S
 REP G2=(1-3) C
 REP G3=(1-4) C
 VPA 22-6/7/8/9/10 U
 NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 26

STEREO ATTRIBUTES: NONE

L6	358 SEA FILE=REGISTRY SSS FUL L1			
L7	11 SEA FILE=HCAPLUS ABB=ON	PLU=ON	L6	
L8	53 SEA FILE=HCAPLUS ABB=ON	PLU=ON	STARKE, I?/AU	
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L10	88 SEA FILE=HCAPLUS ABB=ON	PLU=ON	LINDQVIST, A?/AU	
L11	174 SEA FILE=HCAPLUS ABB=ON	PLU=ON	NORDBERG, M?/AU	
L12	3 SEA FILE=HCAPLUS ABB=ON	PLU=ON	SKJARET, T?/AU	
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 YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS' - CONTINUE? (Y)/N:y

L14 ANSWER 1 OF 10 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2006:1357043 HCAPLUS Full-text
 DOCUMENT NUMBER: 146:101041
 TITLE: Preparation of novel 2-azetidinone derivatives and
 their use as cholesterol absorption inhibitors for

INVENTOR(S) : the treatment of hyperlipidaemia
 Alenfalk, Susanne; Dahlstroem, Mikael; Hunegnaw,
 Fana; Karlsson, Staffan; Lemurell, Malin
 ; Lindqvist, Ann-Margret; Skjaeret,
 Tore; Starke, Ingemar

PATENT ASSIGNEE(S) : Astrazeneca AB, Swed.

SOURCE: PCT Int. Appl., 74pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006137782	A1	20061228	WO 2006-SE741	20060619
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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:			SE 2005-1425	A 20050620

OTHER SOURCE(S) : MARPAT 146:101041

ED Entered STN: 29 Dec 2006
 GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

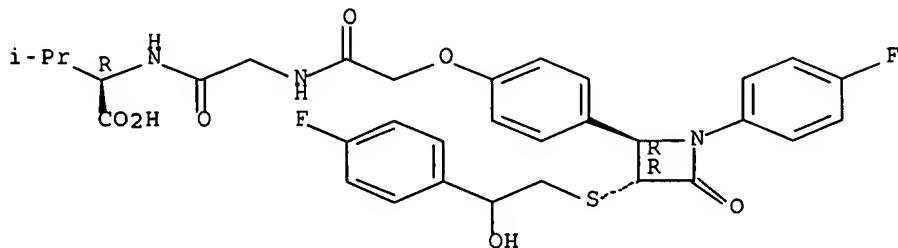
AB Azetidinone compds. I [R1 = H, C1-6-alkyl, C3-6-cycloalkyl, aryl; R2 = H, (un)branched C1-6-alkyl, C3-6-cycloalkyl, aryl; R3 = H, alkyl, halo, C1-6-alkoxy; R4 = H, halo, C1-6-alkoxy; R5 = H, C1-6-alkyl, arylalkyl, aryl(C1-6)-alkyl; R6 = H, C1-6-alkyl, aryl(C1-6)-alkyl; R5R6 = 2-7 carbon atom ring; R2R6 = 3-6 carbon atom ring], pharmaceutically acceptable salts, solvates, solvates of such salts and prodrugs thereof and their use as cholesterol absorption inhibitors for the treatment of hyperlipidemia are described. Processes for their manufacture and pharmaceutical compns. containing them are also described. For example, reacting azetidinyl acetyl glycine derivative II with 1-amino-1-cyclopropanecarboxylic acid gave adduct III in 23% yield.

IT 858103-14-7P
 (preparation of 2-azetidinone derivs. as cholesterol absorption inhibitors for treating hyperlipidemia)

RN 858103-14-7 HCPLUS

CN D-Valine, N-[(4-[(2R,3R)-1-(4-fluorophenyl)-3-[(2-(4-fluorophenyl)-2-hydroxyethyl]thio]-4-oxo-2-azetidinyl]phenoxy]acetyl]glycyl- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.



CC 34-3 (Amino Acids, Peptides, and Proteins)

Section cross-reference(s): 1, 26, 63

IT 858103-14-7P 858103-20-5P 858103-29-4P

858103-63-6P 858103-85-2P 917601-04-8P

(preparation of 2-azetidinone derivs. as cholesterol absorption inhibitors for treating hyperlipidemia)

IT 22059-21-8, 1-Amino-1-cyclopropanecarboxylic acid 26782-71-8

27532-96-3, tert-Butyl glycinate hydrochloride 39741-62-3

58717-02-5 115692-31-4 179559-35-4, O-(tert-Butyl)-D-serine

tert-butyl ester hydrochloride 212140-39-1 858103-90-9

858104-50-4 858104-55-9 858104-61-7 858104-97-9

(preparation of 2-azetidinone derivs. as cholesterol absorption inhibitors for treating hyperlipidemia)

IT 858104-35-5P 858104-40-2P, β,β -Dimethyl-D-

phenylalanine trifluoroacetate 858104-94-6P

917601-01-5P 917601-02-6P 917601-05-9P

917601-06-0P

(preparation of 2-azetidinone derivs. as cholesterol absorption inhibitors for treating hyperlipidemia)

IT 858104-62-8P 858104-63-9P 858104-64-0P

858104-65-1P 917600-99-8P 917601-00-4P

(preparation of 2-azetidinone derivs. as cholesterol absorption inhibitors for treating hyperlipidemia)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 2 OF 10 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2006:1357032 HCAPLUS Full-text

DOCUMENT NUMBER: 146:100481

TITLE: Preparation of novel 2-azetidinone derivatives as cholesterol absorption inhibitors for the treatment of hyperlipidaemic conditions

INVENTOR(S): Dahlstroem, Mikael; Hunegnaw, Fana; Lemurell, Malin; Nordberg, Peter; Skjaeret, Tore; Starke, Ingemar

PATENT ASSIGNEE(S): AstraZeneca AB, Swed.

SOURCE: PCT Int. Appl., 108pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2006137795	A1	20061228	WO 2006-SE764	20060621

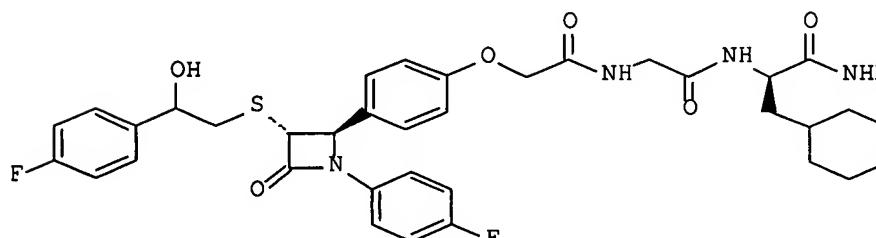
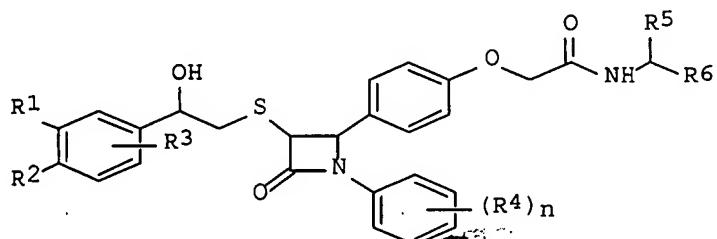
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RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: SE 2005-1466 A 20050622

OTHER SOURCE(S) : MARPAT 146:100481

ED Entered STN: 29 Dec 2006

GI



AB Novel 2-azetidinone derivs. of formula I [R1, R2 = H, alkyl, cycloalkyl, aryl; R3 = halo, OH, alkyl, alkoxy, etc.; R4 = halo, nitro, CN, OH, amino, CO2H, CHO, etc.; R5 = H, halo, nitro, CN, OH, amino, SH, alkyl, etc.; R6 = H, alkyl, cycloalkyl, aryl; n = 1-5] are prepared. The compds. are cholesterol absorption inhibitors and are useful in the treatment of hyperlipidemic conditions, including atherosclerosis, Alzheimers' disease and cholesterol associated tumors. The application also relates to pharmaceutical formulations comprising such compds. and to processes for their preparation. Thus, II (X = CH2CH2N+Me3 acetate) was prepared, and had Caco value of 0.61×10^{-6} cm/s in absorption assay.

IT 917753-18-5P

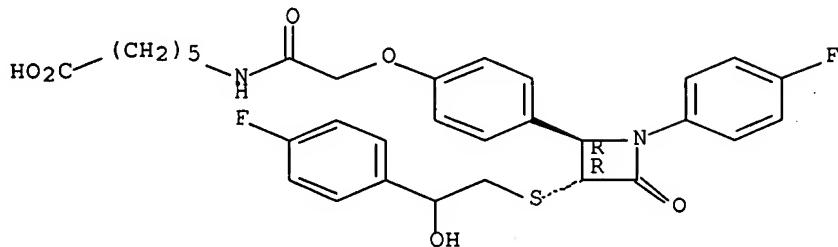
(preparation of azetidinone derivs. as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)

RN 917753-18-5 HCAPLUS

CN Hexanoic acid, 6-[[2-[4-[(2R,3R)-1-(4-fluorophenyl)-3-[(2-(4-fluorophenyl)-2-hydroxyethyl]thio]-4-oxo-2-

azetidinyl]phenoxy]acetyl]amino]- (CA INDEX NAME)

Absolute stereochemistry.



CC 26-5 (Biomolecules and Their Synthetic Analogs)

Section cross-reference(s): 1, 34, 63

IT 917753-18-5P 917753-20-9P
 (preparation of azetidinone derivs. as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)

IT 917752-98-8P 917752-99-9P 917753-00-5P
 917753-01-6P 917753-02-7P 917753-03-8P
 917753-04-9P 917753-05-0P 917753-06-1P
 917753-07-2P 917753-08-3P 917753-09-4P
 917753-10-7P 917753-11-8P 917753-12-9P
 917753-13-0P 917753-15-2P 917753-16-3P
 917753-17-4P 917753-19-6P 917753-21-0P
 917753-22-1P 917753-23-2P 917753-24-3P
 917753-25-4P
 (preparation of azetidinone derivs. as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)

IT 56-12-2, 4-Aminobutyric acid, reactions 60-32-2, 6-Aminohexanoic acid 107-95-9, 3-Aminopropionic acid 488-43-7, D-Glucamine 498-94-2, 4-Piperidinecarboxylic acid 536-38-9, 2-Bromo-1-(4-chlorophenyl)ethanone 640-68-6, D-Valine 660-88-8, 5-Aminovaleric acid 3399-67-5 4530-20-5, N-(tert-Butoxycarbonyl)glycine 21691-52-1 27532-96-3 31202-69-4 34722-37-7, [(4-Methoxybenzyl)thio]acetic acid 58620-93-2 58717-02-5 62024-63-9 68206-45-1, 3-Nitro-2-pyridinesulfenyl chloride 89711-08-0, tert-Butyl (2-oxoethyl)carbamate 91900-05-9 99395-88-7, (S)-(+)-4-Phenyl-2-oxazolidinone 104944-18-5 106719-44-2 112245-09-7 129042-71-3 166023-31-0 204191-43-5, 3-Amino-4,4-dimethylpentanoic acid 205178-80-9 858103-29-4 858104-00-4 858104-35-5 858104-50-4 917577-63-0 917601-01-5 917753-34-5 917753-35-6
 (preparation of azetidinone derivs. as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)

IT 857506-73-1P 858103-94-3P 858104-45-7P 858104-46-8P 858104-47-9P 858104-48-0P 858104-55-9P 917753-26-5P 917753-27-6P 917753-28-7P 917753-29-8P 917753-30-1P 917753-31-2P 917753-32-3P 917753-33-4P 917753-36-7P
 (preparation of azetidinone derivs. as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)

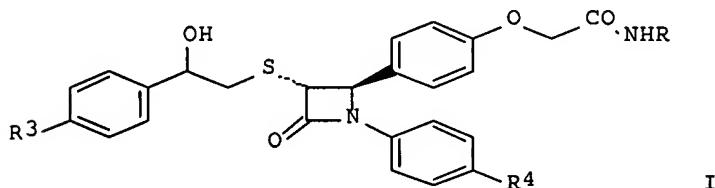
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 3 OF 10 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2006:1356820 HCAPLUS Full-text
 DOCUMENT NUMBER: 146:100480
 TITLE: New 2-azetidinone derivatives for the treatment of hyperlipidemic diseases
 INVENTOR(S): Dahlstroem, Mikael; Hunegnaw, Fana; Karlsson, Staffan; Nordberg, Peter; Starke, Ingemar
 PATENT ASSIGNEE(S): AstraZeneca AB, Swed.
 SOURCE: PCT Int. Appl., 90pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006137794	A1	20061228	WO 2006-SE763	20060621
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
PRIORITY APPLN. INFO.:		SE 2005-1467		A 20050622

OTHER SOURCE(S): MARPAT 146:100480

ED Entered STN: 29 Dec 2006
 GI



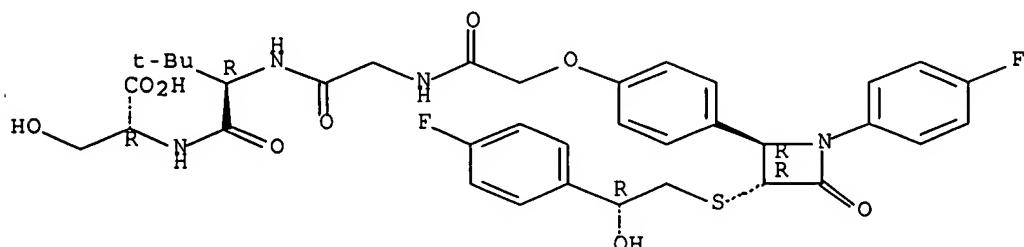
AB 2-Azetidinone derivs., such as I [NHR = peptide residue; R3, R4 = H, halogen, alkyl, alkoxy], were prepared for use in pharmaceutical compns. which inhibit absorption of cholesterol and are useful in the treatment of hyperlipidemic conditions, atherosclerosis and Alzheimer's disease. Thus, I [NHR = Gly-(R)-NHCH(Ph)CO-Gly-OH, R3 = R4 = F] was prepared via an amidation reaction of I [NHR = Gly-(R)-NHCH(Ph)CO2H, R3 = R4 = F] with glycine tert-Bu ester using N-methylmorpholine and TBTU in CH2Cl2 followed by treatment of the reaction mixture with HCO2H. The prepared azetidinones were tested for their effect on cholesterol absorption in a Caco-2 cell model.

IT 917783-65-4P
 (claimed compound; preparation of 2-azetidinone derivs. for therapeutic use as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)

RN 917783-65-4 HCAPLUS

CN D-Serine, N-[2-[4-[(2R,3R)-1-(4-fluorophenyl)-3-[(2R)-2-(4-fluorophenyl)-2-hydroxyethyl]thio]-4-oxo-2-azetidinyl]phenoxy]acetyl]glycyl-3-methyl-D-valyl- (CA INDEX NAME)

Absolute stereochemistry.



CC 26-5 (Biomolecules and Their Synthetic Analogs)
 Section cross-reference(s): 1, 34, 63

IT 917783-65-4P 917783-67-6P 917783-69-8P
 917783-71-2P 917783-73-4P 917783-75-6P

(claimed compound; preparation of 2-azetidinone derivs. for therapeutic use as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)

IT 917782-89-9P 917782-92-4P 917782-95-7P
 917782-97-9P 917782-99-1P 917783-03-0P
 917783-08-5P 917783-13-2P 917783-18-7P
 917783-20-1P 917783-22-3P 917783-25-6P
 917783-28-9P 917783-30-3P 917783-32-5P
 917783-35-8P 917783-40-5P 917783-42-7P
 917783-45-0P

(preparation of 2-azetidinone derivs. for therapeutic use as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)

IT 56-40-6, Glycine, reactions 72-18-4, L-Valine, reactions 95-77-2, 3,4-Dichlorophenol 106-48-9, 4-Chlorophenol 338-69-2, D-Alanine 627-01-0, N-Ethylglycine 640-68-6, D-Valine 673-06-3, D-Phenylalanine 875-74-1 2058-58-4, D-Asparagine 2776-60-5, Glycylglycine methyl ester hydrochloride 6456-74-2 17136-36-6, N-Benzylglycine 22818-40-2, D-4-Hydroxyphenylglycine 26782-71-8, D-tert-Leucine 27532-96-3, tert-Butyl glycinate hydrochloride 37535-58-3 58717-02-5 158000-11-4 179559-35-4 212140-39-1 858102-84-8 858103-29-4 858103-63-6 858104-50-4 858104-57-1 917601-01-5 917753-34-5 917783-37-0 917783-50-7 917783-56-3 917783-63-2

(preparation of 2-azetidinone derivs. for therapeutic use as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)

IT 858103-14-7P 858103-89-6P 858104-06-0P
 917601-02-6P 917783-06-3P 917783-11-0P
 917783-16-5P 917783-48-3P 917783-54-1P
 917783-60-9P

(preparation of 2-azetidinone derivs. for therapeutic use as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR

THIS RECORD. ALL CITATIONS AVAILABLE IN THE
RE FORMAT

L14 ANSWER 4 OF 10 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2006:1356585 HCAPLUS Full-text
 DOCUMENT NUMBER: 146:100479
 TITLE: New 2-azetidinone derivatives useful in the
treatment of hyperlipidemic conditions
 INVENTOR(S): Dahlstroem, Mikael; Karlsson, Staffan;
Lemurell, Malin; Nordberg, Peter;
Starke, Ingemar
 PATENT ASSIGNEE(S): Astrazeneca AB, Swed.
 SOURCE: PCT Int. Appl., 80pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

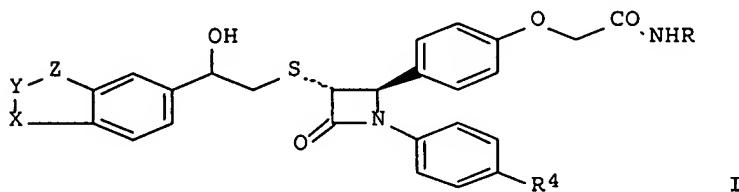
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006137792	A1	20061228	WO 2006-SE761	20060621
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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: SE 2005-1469 A 20050622

OTHER SOURCE(S): MARPAT 146:100479

ED Entered STN: 29 Dec 2006

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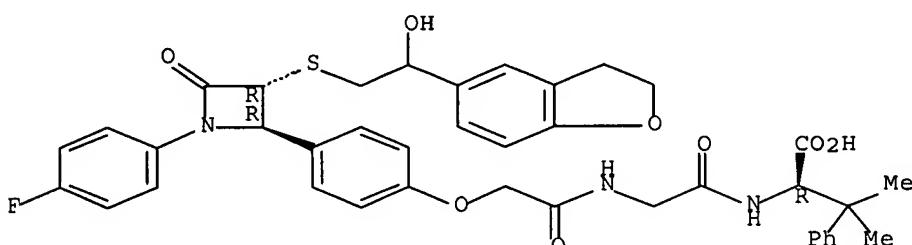


AB 2-Azetidinone derivs., such as I [NHR = peptide residue; R4 = H, halogen, alkyl, alkoxy; X = CH2, O; Y = (CH2)n, n = 1, 2, 3; Z = CH2, O], were prepared for use in pharmaceutical compns. which inhibit absorption of cholesterol and are useful in the treatment of hyperlipidemic conditions, atherosclerosis and Alzheimer's disease. Thus, I [NHR = Gly-X1-Gly-OH, X1 = 3-cyclohexyl-D-alanyl,

R4 = F, X-Y-Z = (CH₂)₃] was prepared via a multistep synthesis starting from 2-bromo-1-(2,3-dihydro-1H-inden-5-yl)ethanone, tert-Bu (4-formylphenoxy)acetate, F-4-C₆H₄NH₂, Me₃CCONHCH₂CO₂Me.HCl and Me 3-cyclohexyl-D-alaninate hydrochloride.

IT 917602-84-7 (preparation of 2-azetidinone derivs. for therapeutic use as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)
 RN 917602-84-7 HCPLUS
 CN D-Phenylalanine, N-[2-[4-[(2R,3R)-3-[[2-(2,3-dihydro-5-benzofuranyl)-2-hydroxyethyl]thio]-1-(4-fluorophenyl)-4-oxo-2-azetidinyl]phenoxy]acetyl]glycyl-β,β-dimethyl- (CA INDEX NAME)

Absolute stereochemistry.



CC 26-5 (Biomolecules and Their Synthetic Analogs)
 Section cross-reference(s): 1, 34, 63
 IT 95-77-2, 3,4-Dichlorophénol 371-40-4, 4-Fluoroaniline 4530-20-5, N-(tert-Butoxycarbonyl)glycine 6456-74-2, tert-Butyl glycinate 27532-96-3, tert-Butyl glycinate hydrochloride 34722-37-7, [(4-Methoxybenzyl)thio]acetic acid 39696-16-7, 2-Bromo-1-(2,3-dihydro-1H-inden-5-yl)ethanone 68206-45-1, 3-Nitro-2-pyridinesulfenyl chloride 99395-88-7, (S)-(+)-4-Phenyl-2-oxazolidinone 144644-00-8 276884-77-6 917602-84-7 (preparation of 2-azetidinone derivs. for therapeutic use as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)
 IT 858104-45-7P 858104-46-8P 858104-47-9P 858104-48-0P 917577-60-7P 917577-63-0P 917577-70-9P 917577-73-2P 917602-85-8P 917602-87-0P (preparation of 2-azetidinone derivs. for therapeutic use as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)
 IT 917602-83-6P 917602-86-9P (preparation of 2-azetidinone derivs. for therapeutic use as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)
 REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

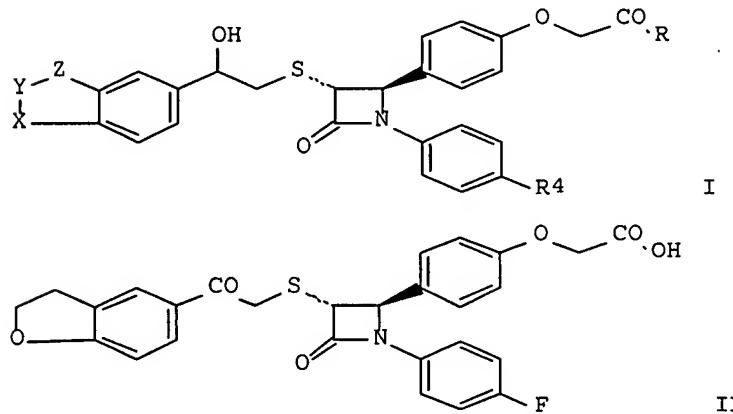
L14 ANSWER 5 OF 10 HCPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2006:1356557 HCPLUS Full-text
 DOCUMENT NUMBER: 146:100478
 TITLE: Novel 2-azetidinone derivatives as cholesterol absorption inhibitors for the treatment of hyperlipidemic conditions
 INVENTOR(S): Alenfalk, Susanne; Dahlstroem, Mikael; Hunegnaw, Fana; Karlsson, Staffan; Lemurell, Malin; Starke, Ingemar

PATENT ASSIGNEE(S): Astrazeneca AB, Swed.
 SOURCE: PCT Int. Appl., 107pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006137796	A1	20061228	WO 2006-SE765	20060621
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:			SE 2005-1465	A 20050622

OTHER SOURCE(S): MARPAT 146:100478

ED Entered STN: 29 Dec 2006
 GI



AB 2-Azetidinone derivs., such as I [R = peptide residue; R4 = H, halogen, alkyl, alkoxy; X = CH₂, O; Y = (CH₂)_n, n = 1, 2, 3; Z = CH₂, O], were prepared for use in pharmaceutical compns. which inhibit absorption of cholesterol and are useful in the treatment of hyperlipidemic conditions, atherosclerosis and Alzheimer's disease. Thus, I [R = Gly-X₁-OH, X₁ = 3-cyclohexyl-D-alanyl, R4 = F, X-Y-Z = O(CH₂)₂] was prepared via and amidation reaction of acid II with glycyl-3-cyclohexyl-D-alanine using N-methylmorpholine and TBTU in DMF followed by reduction of the intermediate ketone using NaBH₄ in MeOH. The

prepared azetidinones were tested for inhibition of cholesterol absorption using a Caco-2 cell model.

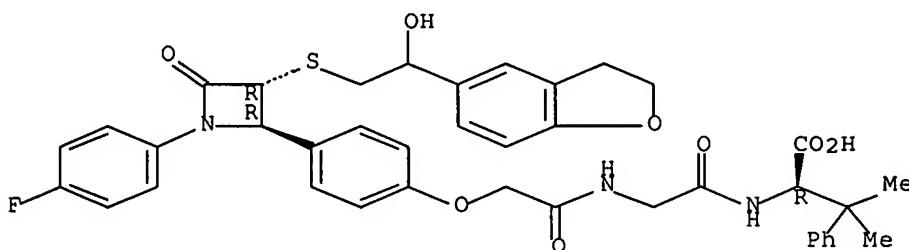
IT 917602-84-7P

(preparation of 2-azetidinone derivs. for therapeutic use as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)

RN 917602-84-7 HCPLUS

CN D-Phenylalanine, N-[2-[4-[(2R,3R)-3-[(2-(2,3-dihydro-5-benzofuranyl)-2-hydroxyethyl]thio]-1-(4-fluorophenyl)-4-oxo-2-azetidinyl]phenoxy]acetyl]glycyl- β , β -dimethyl- (CA INDEX NAME)

Absolute stereochemistry.



CC 26-5 (Biomolecules and Their Synthetic Analogs)

Section cross-reference(s): 1, 34, 63

IT 917602-84-7P 917814-85-8P 917814-87-0P

917814-88-1P 917814-90-5P 917814-91-6P

917814-94-9P 917814-97-2P 917814-99-4P

917815-01-1P 917815-03-3P 917815-05-5P

(preparation of 2-azetidinone derivs. for therapeutic use as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)

IT 95-77-2, 3,4-Dichlorophenol 106-48-9, 4-Chlorophenol 371-40-4,

4-Fluoroaniline 4530-20-5, N-(tert-Butoxycarbonyl)glycine

5680-79-5, Methyl glycinate hydrochloride 5896-66-2,

2-Bromo-1-(5,6,7,8-tetrahydronaphthalen-2-yl)ethanone 26782-71-8

27532-96-3, tert-Butyl glycinate hydrochloride 34722-37-7,

[(4-Methoxybenzyl)thio]acetic acid 39696-16-7 53940-82-2

58717-02-5 64089-34-5 68206-45-1, 3-Nitro-2-pyridinesulfenyl

chloride 79416-87-8 99395-88-7, (S)-(+)-4-Phenyl-2-oxazolidinone

146727-61-9 189035-22-1, 6-Bromo-2,3-dihydrobenzofuran 201007-86-5

276884-77-6 857506-73-1 858104-40-2 917783-63-2

917815-02-2

(preparation of 2-azetidinone derivs. for therapeutic use as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)

IT 374706-07-7P 858104-45-7P 858104-46-8P 858104-47-9P

858104-48-0P 917577-63-0P 917602-87-0P 917814-86-9P

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917814-95-0P 917814-96-1P 917814-98-3P

917815-00-0P 917815-04-4P 917815-06-6P

917815-07-7P 917815-08-8P 917815-09-9P

917815-10-2P 917815-11-3P 917815-12-4P 917815-13-5P

917815-14-6P 917815-15-7P 917815-16-8P

917815-17-9P 917815-18-0P

(preparation of 2-azetidinone derivs. for therapeutic use as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE

RE FORMAT

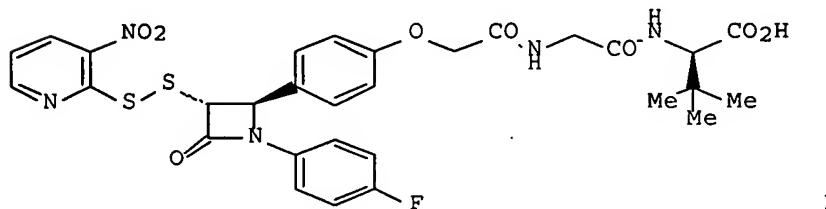
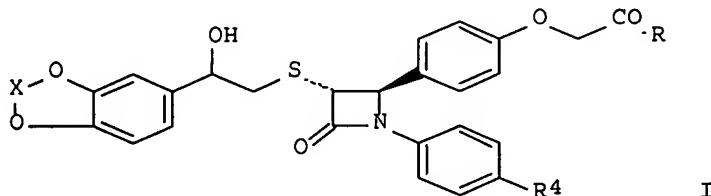
L14 ANSWER 6 OF 10 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2006:1354329 HCAPLUS Full-text
 DOCUMENT NUMBER: 146:100477
 TITLE: Novel 2-azetidinone derivatives as cholesterol absorption inhibitors for the treatment of hyperlipidemic conditions
 INVENTOR(S): Alenfalk, Susanne; Dahlstroem, Mikael; Hunegnaw, Fana; Karlsson, Staffan; Starke, Ingemar
 PATENT ASSIGNEE(S): AstraZeneca AB, Swed.
 SOURCE: PCT Int. Appl., 105pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006137797	A1	20061228	WO 2006-SE766	20060621
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:			SE 2005-1464	A 20050622

OTHER SOURCE(S): MARPAT 146:100477

ED Entered STN: 28 Dec 2006

GI



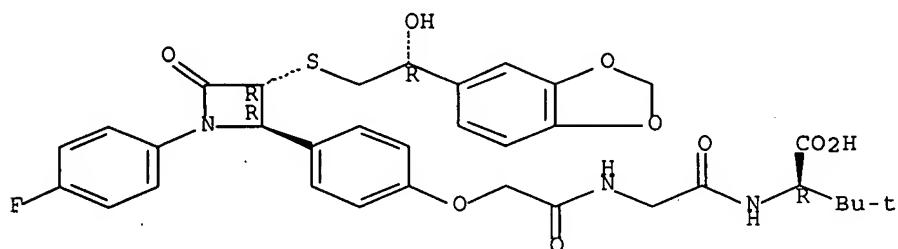
AB 2-Azetidinone derivs., such as I [R = peptide residue; R4 = H, halogen, alkyl, alkoxy; X = (CH2)n, n = 1, 2, 3], were prepared for use in pharmaceutical compns. which inhibit absorption of cholesterol and are useful in the treatment of hyperlipidemic conditions, atherosclerosis and Alzheimer's disease. Thus, I [R = Gly-3-methyl-D-Val-OH, R4 = F, X = (CH2)2] was prepared by treating disulfide II with PPh3 in Me2CO and H2O followed by addition to the reaction mixture of 2-bromo-1-(2,3-dihydro-1,4-benzodioxin-6-yl)ethanone and Et3N in CH2Cl2 and then addn of NaBH4 to the reaction mixture. The prepared azetidinones were tested for inhibition of cholesterol absorption using a Caco-3 cell model.

IT 917887-15-1P
(claimed compound; preparation of 2-azetidinone derivs. for therapeutic use as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)

RN 917887-15-1 HCAPLUS

CN D-Valine, N-[2-[4-[(2R,3R)-3-[[[(2R)-2-(1,3-benzodioxol-5-yl)-2-hydroxyethyl]thio]-1-(4-fluorophenyl)-4-oxo-2-azetidinyl]phenoxy]acetyl]glycyl-3-methyl- (CA INDEX NAME)

Absolute stereochemistry.



CC 26-5 (Biomolecules and Their Synthetic Analogs)

Section cross-reference(s): 1, 34, 63

IT 917887-15-1P 917887-16-2P

(claimed compound; preparation of 2-azetidinone derivs. for therapeutic use as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)

IT 857506-72-0P 857506-73-1P 858104-27-5P 858104-45-7P
858104-46-8P 858104-47-9P 917577-58-3P 917577-63-0P
917886-78-3P 917886-80-7P 917886-82-9P 917886-84-1P
917886-89-6P 917886-91-0P 917886-95-4P 917886-96-5P
917886-97-6P 917886-99-8P 917887-01-5P 917887-03-7P
917887-04-8P 917887-05-9P 917887-06-0P 917887-07-1P
917887-08-2P 917887-09-3P 917887-10-6P 917887-11-7P
917887-12-8P 917887-13-9P 917887-14-0P

(preparation of 2-azetidinone derivs. for therapeutic use as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)

IT 917886-77-2P 917886-79-4P 917886-81-8P
917886-83-0P 917886-85-2P 917886-86-3P
917886-88-5P 917886-90-9P 917886-92-1P
917886-93-2P 917886-94-3P

(preparation of 2-azetidinone derivs. for therapeutic use as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE

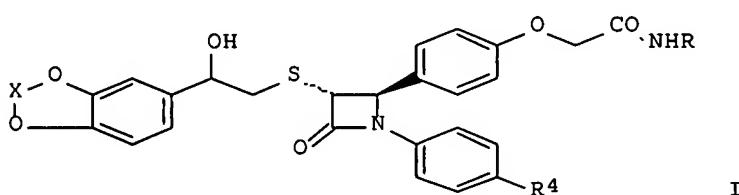
RE FORMAT

L14 ANSWER 7 OF 10 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2006:1354233 HCAPLUS Full-text
 DOCUMENT NUMBER: 146:100476
 TITLE: New 2-azetidinone derivatives as cholesterol absorption inhibitors for the treatment of hyperlipidemic conditions
 INVENTOR(S): Dahlstroem, Mikael; Karlsson, Staffan; Nordberg, Peter; Skjaeret, Tore; Starke, Ingemar
 PATENT ASSIGNEE(S): Astrazeneca AB, Swed.
 SOURCE: PCT Int. Appl., 78pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006137793	A1	20061228	WO 2006-SE762	20060621
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:		SE 2005-1468		A 20050622

OTHER SOURCE(S): MARPAT 146:100476

ED Entered STN: 28 Dec 2006
 GI



AB 2-Azetidinone derivs., such as I [NHR = peptide residue; R4 = H, halogen, alkyl, alkoxy; X = (CH2)_n, n = 1, 2], were prepared for use in pharmaceutical compns. which inhibit absorption of cholesterol and are useful in the treatment of hyperlipidemic conditions, atherosclerosis and Alzheimer's disease. Thus, I [NHR = Gly-X1-Gly-OH, X1 = 3-cyclohexyl-D-alanyl, R4 = F, X = (CH2)₂] was prepared via a multistep synthesis starting from 2-bromo-1-(2,3-dihydro-1,4-benzodioxin-6-yl)ethanone, tert-Bu (4-formylphenoxy)acetate, F-4-C6H4NH2, Me3CCONHCH2CO2Me.HCl and Me 3-cyclohexyl-D-alaninate hydrochloride.

IT 917577-56-1P

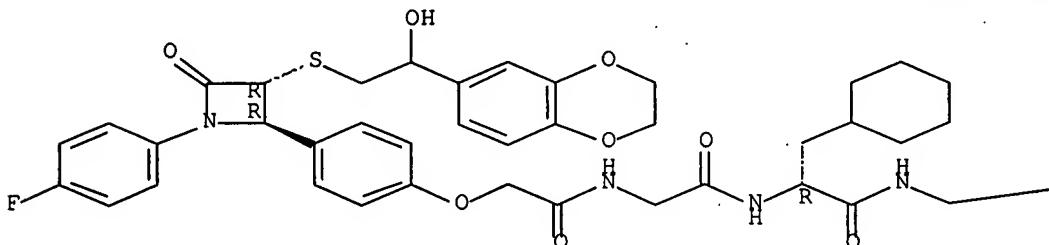
(preparation of 2-azetidinone derivs. for therapeutic use as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)

RN 917577-56-1 HCAPLUS

CN Glycine, N-[2-[4-[(2R,3R)-3-[[2-(2,3-dihydro-1,4-benzodioxin-6-yl)-2-hydroxyethyl]thio]-1-(4-fluorophenyl)-4-oxo-2-azetidinyl]phenoxy]acetyl]glycyl-3-cyclohexyl-D-alanyl- (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B

—CO₂H

CC 26-5 (Biomolecules and Their Synthetic Analogs)

Section cross-reference(s): 1, 34, 63

IT 917577-56-1P

(preparation of 2-azetidinone derivs. for therapeutic use as cholesterol absorption inhibitors for treatment of hyperlipidemic conditions)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 8 OF 10 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:588892 HCAPLUS Full-text

DOCUMENT NUMBER: 143:133694

TITLE: Preparation of diphenylazetidinone amino acid derivatives having cholesterol absorption inhibitory activity

INVENTOR(S): Alenfalk, Susanne; Dahlstroem, Mikael; Hunegnaw, Fana; Karlsson, Staffan; Lemurell, Malin; Lindqvist, Ann-Margret; Skjaeret, Tore; Starke, Ingemar

PATENT ASSIGNEE(S): AstraZeneca AB, Swed.

SOURCE: PCT Int. Appl., 189 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

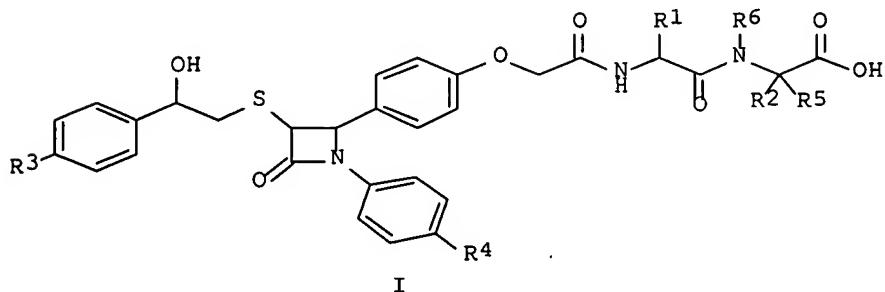
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005061452	A1	20050707	WO 2004-SE1960	20041221
WO 2005061452	A8	20060406		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, SM				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004303742	A1	20050707	AU 2004-303742	20041221
CA 2550215	A1	20050707	CA 2004-2550215	20041221
EP 1699759	A1	20060913	EP 2004-809133	20041221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU				
NO 2006002591	A	20060920	NO 2006-2591	20060606
PRIORITY APPLN. INFO.:			GB 2003-29780	A 20031223
			SE 2004-1907	A 20040721
			SE 2004-2785	A 20041115
			WO 2004-SE1960	W 20041221

OTHER SOURCE(S): MARPAT 143:133694

ED Entered STN: 08 Jul 2005

GI



AB The invention relates to diphenylazetidinones I [R1, R2, R5 are independently H, (un)substituted alkyl, cycloalkyl or aryl; R3 is H, alkyl, halo, alkoxy or

858103-71-6P 858103-72-7P 858103-73-8P
 858103-74-9P 858103-75-0P 858103-76-1P
 858103-77-2P 858103-78-3P 858103-79-4P
 858103-80-7P 858103-81-8P 858103-82-9P
 858103-84-1P 858103-85-2P 858103-86-3P
 858103-87-4P 858103-88-5P 858103-89-6P
 858108-28-8P

(preparation of diphenylazetidinone amino acid derivs. having cholesterol absorption inhibitory activity)

IT 857506-72-0P 857506-73-1P 857506-74-2P 857506-75-3P
 858103-90-9P 858103-91-0P 858103-92-1P
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 858105-05-2P 858108-30-2P 858108-32-4P

(preparation of diphenylazetidinone amino acid derivs. having cholesterol absorption inhibitory activity)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 9 OF 10 HCPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2005:588890 HCPLUS Full-text
 DOCUMENT NUMBER: 143:115797
 TITLE: Preparation of diphenylazetidinone amino acid derivatives having cholesterol absorption inhibitory activity
 INVENTOR(S): Alenfalk, Susanne; Dahlstroem, Mikael; Hunegnaw, Fana; Karlsson, Staffan; Lemurell, Malin; Lindqvist, Ann-Margret; Skjaeret, Tore; Starke, Ingemar
 PATENT ASSIGNEE(S): AstraZeneca AB, Swed.
 SOURCE: PCT Int. Appl., 76 pp.
 CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT: 1

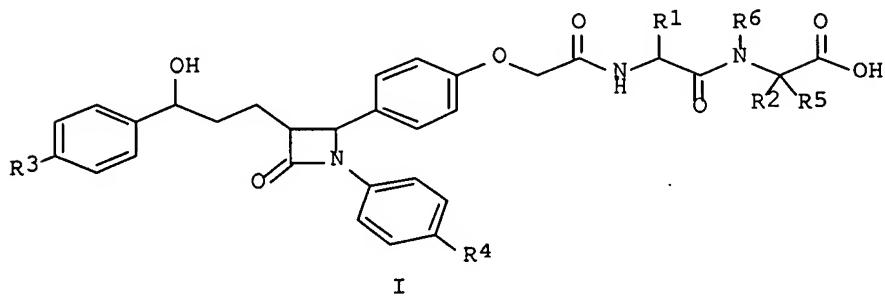
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005061451	A1	20050707	WO 2004-SE1959	20041221
WO 2005061451	A8	20060406		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, SM			
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2004303741	A1	20050707	AU 2004-303741	20041221
CA 2548410	A1	20050707	CA 2004-2548410	20041221
EP 1699758	A1	20060913	EP 2004-809132	20041221
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU			
CN 1898203	A	20070117	CN 2004-80038434	20041221
NO 2006002583	A	20060920	NO 2006-2583	20060606
PRIORITY APPLN. INFO.:			GB 2003-29778	A 20031223
			WO 2004-SE1959	W 20041221

OTHER SOURCE(S): MARPAT 143:115797

ED Entered STN: 08 Jul 2005

GI



AB The invention relates to diphenylazetidinones I [R1, R2, R5 are independently H, (un)substituted alkyl, cycloalkyl or aryl; R3 is H, alkyl, halo, alkoxy or alkylthio; R4 is H, alkyl, halo or alkoxy; R6 is H, alkyl or arylalkyl; or R2 may form a ring with R5 or R6], or their pharmaceutically-acceptable salts,

solvates, and prodrugs, and their use as cholesterol absorption inhibitors for the treatment of hyperlipidemia. Thus, 2-azetidinone I [R3, R4 = F; NHCHR1CONR6CR2R5CO2H = D-Leu-L-Ser-OH (R- and S-configuration at 3- and 4-positions of the ring, resp.)] was prepared by coupling of 1-(4-fluorophenyl)-3(R)-[2-(4-fluorobenzoyl)ethyl]-4(S)-[4-[N-[(R)-1-carboxy-3-methylbutyl]carbamoylmethoxy]phenyl]azetidin-2-one with tert-Bu O-tert-butyl-L-serinate hydrochloride, followed by LiAlH4 reduction of the benzoyl oxo group.

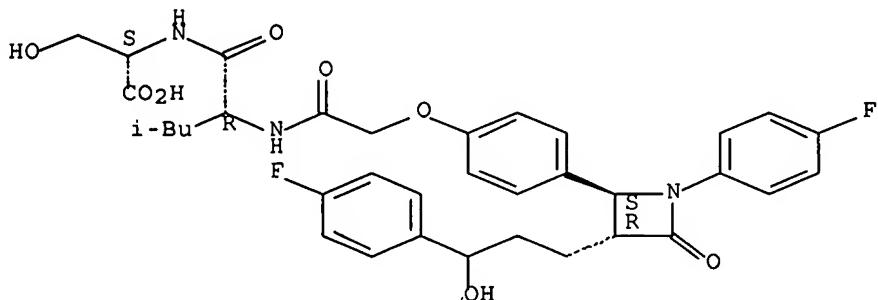
IT 857506-52-6P

(preparation of diphenylazetidinone amino acid derivs. having cholesterol absorption inhibitory activity)

RN 857506-52-6 HCPLUS

CN L-Serine, N-[(4-[(2S,3R)-1-(4-fluorophenyl)-3-[3-(4-fluorophenyl)-3-hydroxypropyl]-4-oxo-2-azetidinyl]phenoxy]acetyl]-D-leucyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IC ICM C07D205-08

ICS A61K031-397; A61P003-06; A61P009-10; A61P025-28

CC 34-3 (Amino Acids, Peptides, and Proteins)
Section cross-reference(s): 1, 27

IT 857506-52-6P 857506-53-7P 857506-54-8P
857506-55-9P 857506-59-3P 857506-60-6P
857506-61-7P 857506-62-8P

(preparation of diphenylazetidinone amino acid derivs. having cholesterol absorption inhibitory activity)

IT 847781-66-2P 857506-56-0P 857506-57-1P
857506-58-2P 857506-63-9P 857506-64-0P
857506-65-1P 857506-66-2P 857506-67-3P
857506-68-4P 857506-69-5P 857506-70-8P
857506-72-0P 857506-73-1P 857506-74-2P 857506-75-3P
857506-76-4P 857506-77-5P 857506-78-6P
857506-79-7P 857506-80-0P

(preparation of diphenylazetidinone amino acid derivs. having cholesterol absorption inhibitory activity)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14. ANSWER 10 OF 10 HCPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:41434 HCPLUS Full-text

DOCUMENT NUMBER: 140:111687

TITLE: Preparation of diphenylazetidinone peptide derivatives for treating disorders of lipid

INVENTOR(S) : metabolism
 Starke, Ingemar; Dahlstrom, Mikael
 Ulf Johan; Lindqvist, Ann-Margret;
 Nordberg, Mats Peter; Skjaret,
 Tore; Lemurell, Malin Anita

PATENT ASSIGNEE(S) : Astrazeneca AB, Swed.; Astrazeneca UK Limited

SOURCE: PCT Int. Appl., 134 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

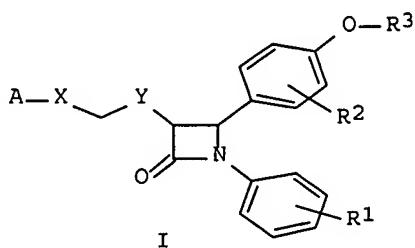
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004005247	A1	20040115	WO 2003-GB2811	20030701
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2491789	A1	20040115	CA 2003-2491789	20030701
AU 2003242850	A1	20040123	AU 2003-242850	20030701
BR 2003012280	A	20050412	BR 2003-12280	20030701
EP 1521742	A1	20050413	EP 2003-762763	20030701
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CN 1665783	A	20050907	CN 2003-815894	20030701
JP 2006501184	T	20060112	JP 2004-518920	20030701
ZA 2004010340	A	20051020	ZA 2004-10340	20041222
US 2005239766	A1	20051027	US 2004-519897	20041231
NO 2005000016	A	20050301	NO 2005-16	20050103
PRIORITY APPLN. INFO.: GB 2002-15579 A 20020705				
WO 2003-GB2811 W 20030701				

OTHER SOURCE(S) : MARPAT 140:111687

ED Entered STN: 18 Jan 2004
 GI

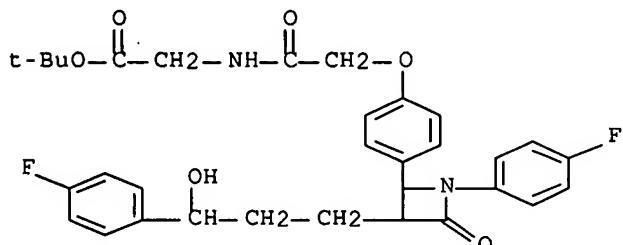


AB Azetidinone derivs. I [A is (un)substituted Ph or thiienyl; X, Y are (un)substituted methylene, O, NH, alkylimino, S, SO, or SO₂; R1, R2 are H, halo, nitro, cyano, etc.; R3 is (CHR₄)₁₋₂CONR₅CR₆R₇(CHR₈)₀₋₂R₉, where R₄, R₆, R₇, R₈ are H, (un)substituted alkyl, carbocyclyl, or heterocyclyl or R₆R₇ is alkylene; R₅ is H or alkyl; R₉ is H, halo, nitro, amino, carbamoyl, sulfamoyl, hydroxyaminocarbonyl, alk(en)(yn)yl, alkoxy, alkoxy carbonyl, alkylamino, etc.] or their pharmaceutically-acceptable salts or prodrugs were prepared for use as cholesterol absorption inhibitors for the treatment of hyperlipidemia. Thus, 1-(4-fluorophenyl)-3-[3-(4-fluorophenyl)-3-hydroxypropyl]-4-(4-carboxymethoxyphenyl)azetidin-2-one and tert-Bu N-[(2R)-2-amino-2-phenylethanyl]glycinate were prepared and reacted to form the carboxamide.

IT 646036-51-3P
(preparation of diphenylazetidinone peptide derivs. for treating disorders of lipid metabolism)

RN 646036-51-3 HCPLUS

CN Glycine, N-[(4-[1-(4-fluorophenyl)-3-[3-(4-fluorophenyl)-3-hydroxypropyl]-4-oxo-2-azetidinyl]phenoxy]acetyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



IC ICM C07D205-08
ICS C07D409-12; A61K031-397; A61P003-06; A61P009-10

CC 34-3 (Amino Acids, Peptides, and Proteins)
Section cross-reference(s): 1

IT 646036-51-3P 646036-61-5P 646036-63-7P
646036-64-8P 646036-65-9P 646036-66-0P
646036-70-6P 646036-71-7P 646036-74-0P
646036-75-1P 646036-81-9P 646036-84-2P
646523-66-2P 646523-78-6P 646523-86-6P
646524-01-8P 646524-11-0P 646524-17-6P
646524-22-3P 646524-31-4P

(preparation of diphenylazetidinone peptide derivs. for treating disorders of lipid metabolism)

IT 646036-52-4P 646036-53-5P 646036-54-6P
646036-55-7P 646036-56-8P 646036-57-9P
646036-58-0P 646036-59-1P 646036-60-4P
646036-62-6P 646036-67-1P 646036-68-2P
646036-69-3P 646036-72-8P 646036-73-9P
646036-76-2P 646036-77-3P 646036-78-4P
646036-79-5P 646036-82-0P 646036-85-3P
646523-70-8P 646523-74-2P 646523-82-2P
646523-89-9P 646523-92-4P 646523-95-7P
646523-98-0P 646524-05-2P 646524-08-5P
646524-14-3P 646524-20-1P 646524-25-6P
646524-28-9P

(preparation of diphenylazetidinone peptide derivs. for treating
disorders of lipid metabolism)

IT 439088-73-0P 439088-74-1P 501692-72-4P 501692-73-5P
501692-76-8P 646036-86-4P 646036-87-5P 646036-88-6P
646036-89-7P 646036-90-0P 646036-91-1P 646036-92-2P
646036-93-3P 646036-94-4P 646036-95-5P 646036-96-6P
646036-97-7P 646036-98-8P 646036-99-9P
646037-00-5P 646037-01-6P 646037-02-7P
646037-03-8P 646037-04-9P 646037-05-0P
646037-06-1P 646037-07-2P 646037-08-3P
646037-09-4P 646037-10-7P 646037-11-8P

(preparation of diphenylazetidinone peptide derivs. for treating
disorders of lipid metabolism)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE
RE FORMAT

=> d his nofile

(FILE 'HOME' ENTERED AT 10:56:51 ON 25 APR 2007)

FILE 'REGISTRY' ENTERED AT 10:56:57 ON 25 APR 2007

L1 STR
L2 18 SEA SSS SAM L1

FILE 'HCAPLUS' ENTERED AT 11:05:21 ON 25 APR 2007

L3 1 SEA ABB=ON PLU=ON US20050239766/PN
SEL RN

FILE 'REGISTRY' ENTERED AT 11:05:34 ON 25 APR 2007

L4 118 SEA ABB=ON PLU=ON (105624-62-2/BI OR 107-35-7/BI OR
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16450-41-2/BI OR 179559-35-4/BI OR 2488-26-8/BI OR
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L5 3 SEA ABB=ON PLU=ON L4 AND L2
L6 358 SEA SSS FUL L1
SAV L6 BER897/A

FILE 'HCAPLUS' ENTERED AT 11:07:14 ON 25 APR 2007

L7 11 SEA ABB=ON PLU=ON L6
L8 53 SEA ABB=ON PLU=ON STARKE, I?/AU
L9 59 SEA ABB=ON PLU=ON DAHLSTROM, M?/AU
L10 88 SEA ABB=ON PLU=ON LINDQVIST, A?/AU
L11 174 SEA ABB=ON PLU=ON NORDBERG, M?/AU
L12 3 SEA ABB=ON PLU=ON SKJARET, T?/AU

10/519,897

L13 11 SEA ABB=ON PLU=ON LEMURELL, M?/AU
L14 10 SEA ABB=ON PLU=ON (L8 OR L9 OR L10 OR L11 OR L12 OR L13)
AND L7
L15 1 SEA ABB=ON PLU=ON L7 NOT L14

FILE 'REGISTRY' ENTERED AT 11:09:31 ON 25 APR 2007
L16 0 SEA ABB=ON PLU=ON L6 AND MEDLINE/LC
L17 0 SEA ABB=ON PLU=ON L6 AND BIOSIS/LC
L18 0 SEA ABB=ON PLU=ON L6 AND DRUGU/LC
L19 0 SEA ABB=ON PLU=ON L6 AND EMBASE/LC

FILE 'CAOLD' ENTERED AT 11:10:49 ON 25 APR 2007
L20 0 SEA ABB=ON PLU=ON L6

FILE 'BEILSTEIN' ENTERED AT 11:11:07 ON 25 APR 2007
L21 0 SEA ABB=ON PLU=ON L6

FILE 'CASREACT' ENTERED AT 11:11:22 ON 25 APR 2007
L22 1 SEA ABB=ON PLU=ON 142:297976/AN
L23 STR L1
L24 0 SEA SSS SAM L23 (0 REACTIONS)
L25 1 SEA SSS FUL L23 (3 REACTIONS)